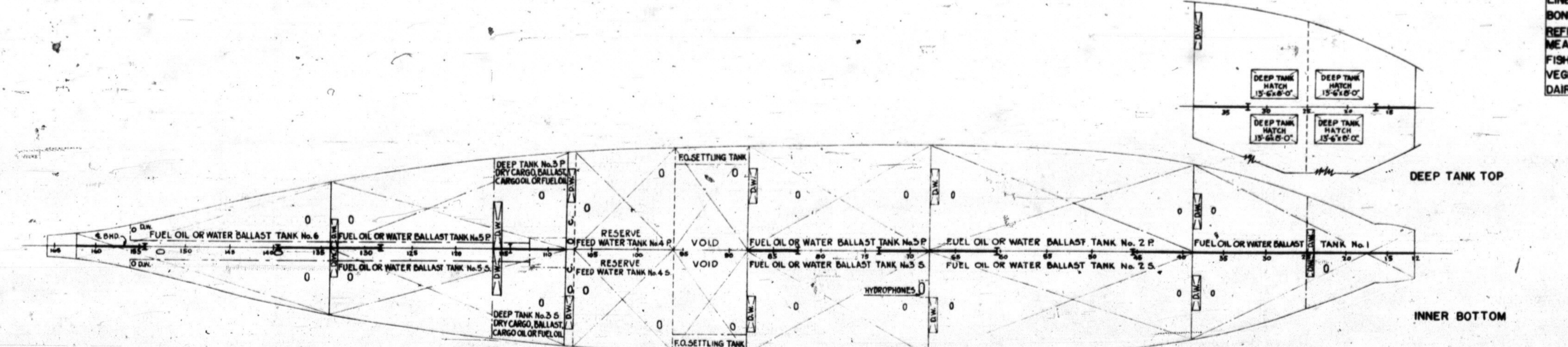
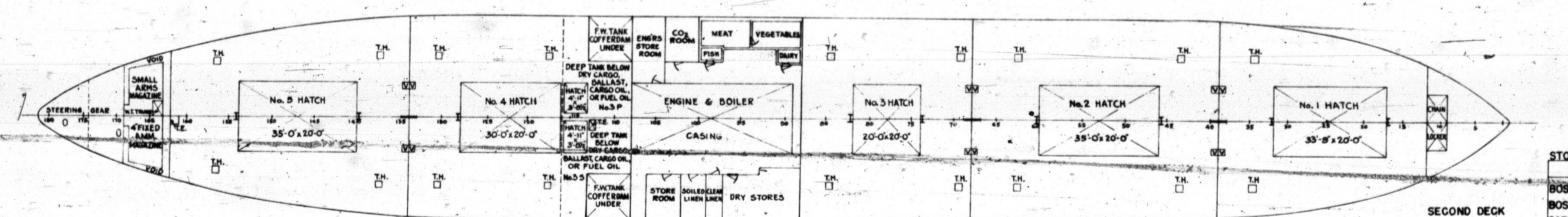
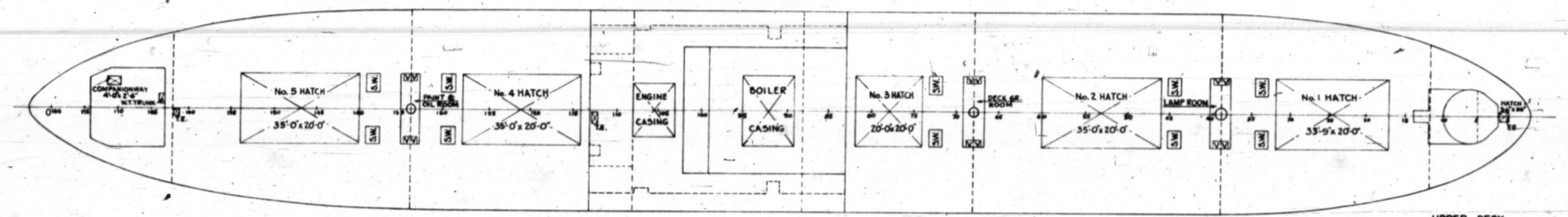
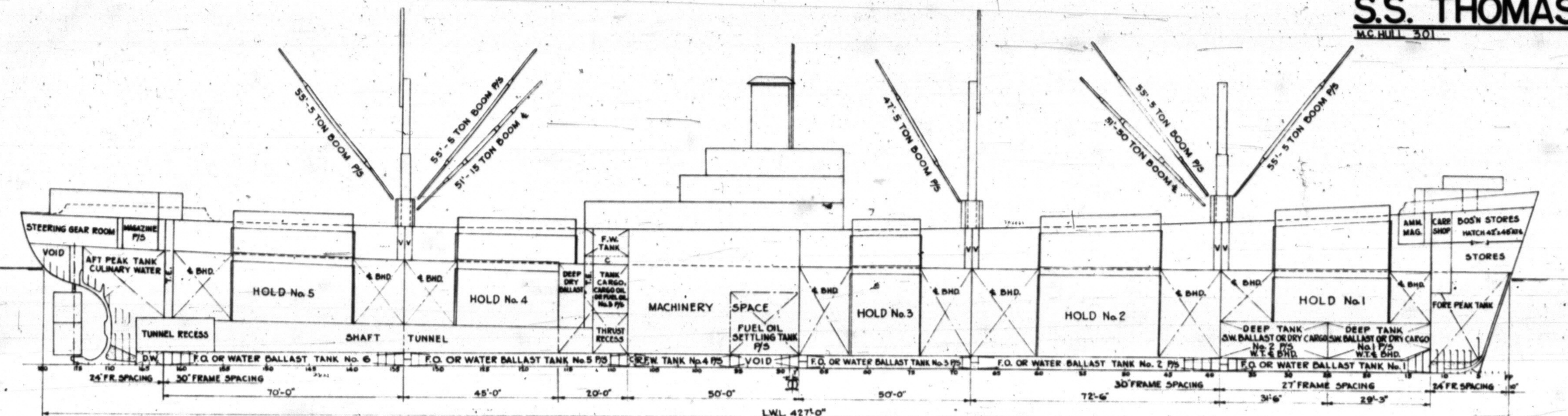


# S.S. THOMAS MCKEAN

MC HULL 301

B.F. HULL 2051



ABBREVIATION  
TE - TUNNEL ESCAPE  
TH - TRIMMING HATCH  
DW - DRAIN WELL  
SW - STEAM WINCH  
V - VENT TRUNK  
C - COFFERDAM

CARGO		COMPARTMENT	GRAIN CAPABIL. CAP.
HOLD No.1		HOLD	G.F.
		TWEEN DECKS	41257 36083
HOLD No.2		HOLD	43443 39565
		TWEEN DECKS	98860 92008
HOLD No.3		HOLD	46744 42630
		TWEEN DECKS	68459 59793
HOLD No.4		HOLD	58841 52574
		TWEEN DECKS	35277 29669
HOLD No.5		HOLD	58620 5571
		TWEEN DECKS	34570 30864
DEEP TANKS	No.1P	DEEP TANK	3639 2729
	No.1S		3639 3004
	No.2P		7473 5294
	No.2S		7473 5578
	No.3P		13674 12506
	No.3S		13186 12024
			TOTAL 562827 49916

WATER BALLAST		TANK	CU. FT.	TONNE 35CF
FORE PEAK		No.1	5073	145
		No.2P	5029	144
		No.2S	5967	170
		No.25	5967	170
		No.3P	4400	126
		No.35	4365	125
		No.5P	4391	125
		No.6	4118	118
AFTER PEAK-CULINARY WATER		No.6P	5438	155
DEEP TANKS	No.1P		3973	114
	No.1S		3973	114
	No.2P		7340	210
	No.2S		7340	210
	No.3P		13540	367
	No.3S		13065	373
			TOTAL 96370 2811	

FRESH WATER		TANK	GAL'S	TONNE 35CF
RESERVE FEED	No.4P		17855	66
	No.4S		17855	66
FRESH WATER FR. 108-II3P			7541	28
FR. 108-II3S			7541	28
			TOTAL 50792	188

FUEL OIL		TANK	GAL'S	TONNE 35CF
FUEL OIL TANK	No.1		36863	132
	No.2P		43742	157
	No.2S		43742	157
	No.3P		32251	116
	No.35		31955	115
	No.5P		32185	116
	No.6		30183	108
			TOTAL 283106	1017
F.O. SETTLING TANK FR. 88-96P			14083	51
FR. 88-96S			14083	51
			TOTAL 28166	102
CARGO OIL OR FUEL OIL				
DEEP TANK	No.3P		99257	356
	No.3S		95772	344
			TOTAL 195029	700
			TOTAL (ALL F.O.) 506301	1819

PRINCIPAL DIMENSIONS  
L.O.A. 441'-7 1/2"  
L.B.R. (25'-3 1/4" W.L.) 416'-10 1/2"  
BREADTH, MLD. 96'-10 3/4"  
BREADTH, EXTREME 97'-11 1/2"  
DEPTH TO UPPER DECK, MLD. 37'-4"  
DEPTH TO SECOND DECK, MLD. 28'-7"  
DRAFT, MAX. 27'-9 1/2"

CAPACITIES & TYPES OF WINCHES  
5/16" G.I.C.B.L. GEARED WINCHES FOR 5 & 15 TON BOOMS  
9'-12" WINCH FOR 50 TON BOOM

HEIGHTS OF MASTS  
FIXED MAST ABOVE DECK FOREMAST 40'-3 1/2"  
FR. 68 42'-11 1/2"  
FR. 54 42'-11 1/2"  
TELESCOPIC 42'-11 1/2"  
FR. 68 42'-11 1/2"  
FR. 134 62'-2 1/2"

ENGINE  
DIRECT ACTING CONDENSING THREE CYLINDER TRIPLE EXPANSION ENGINE DEVELOPING 2500 I.H.P. AT 76 R.P.M.

BOILERS  
MAIN BOILERS OF THE CROSS DRUM SECTIONAL SMOULOUS HEADER STRAIGHT TUBE TYPE FITTED WITH SUPER HEATERS, BURNING BUNKER "C" FUEL OIL

## DEADWEIGHT SCALE

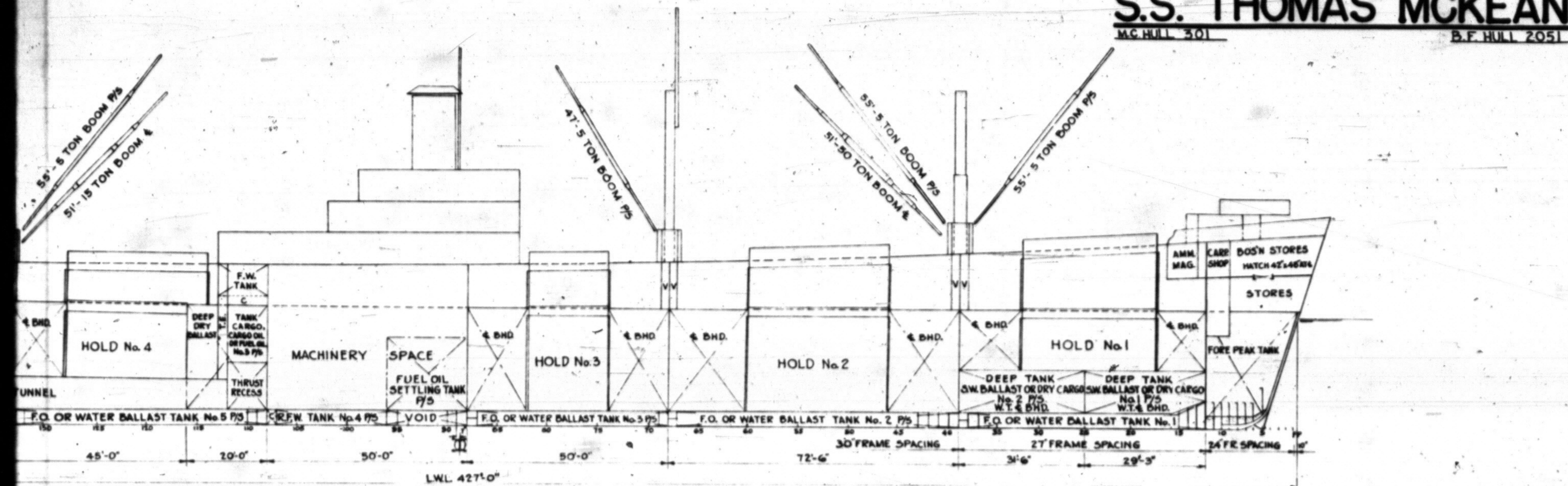
DEADWEIGHT S.W.	DRAFT	DISPLACEMENT TON	TON INCH
10920	28	14257	27-9 1/2
	27	14000	26-5
	26	13000	24-4
	25	12000	23-4
	24	11000	22-4
	23	10000	21-4
	22	9000	20-4
	21	8000	19-4
	20	7000	18-4
	19	6000	17-4
	18	5000	16-4
	17	4000	15-4
	16	3000	14-4
	15	2000	13-4
	14	1000	12-4
	13	0	11-4
	12	0	10-4
	11	0	9-4
	10	0	8-4
	9	0	7-4
	8	0	6-4
	7	0	5-4
	6	0	4-4
	5	0	3-4
	4	0	2-4
	3	0	1-4
	2	0	0-4
	1	0	0-4
	0	0	0-4

3337 L

# S.S. THOMAS MCKEAN

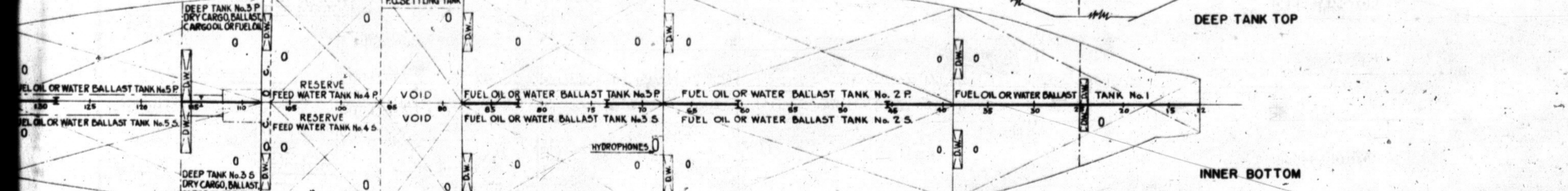
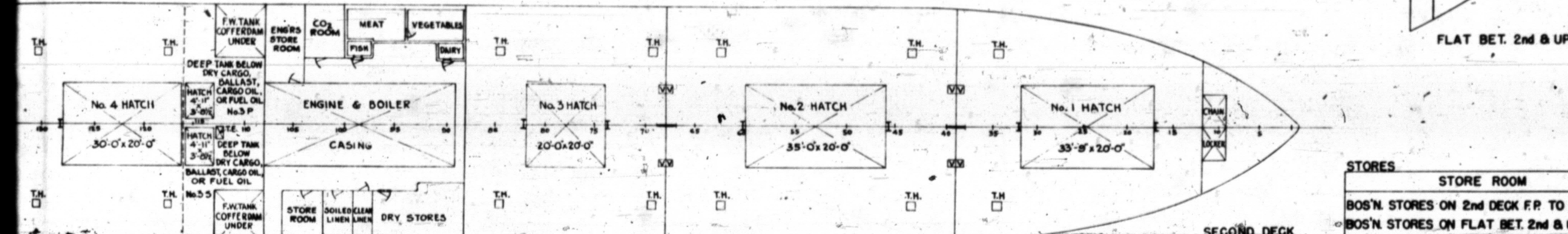
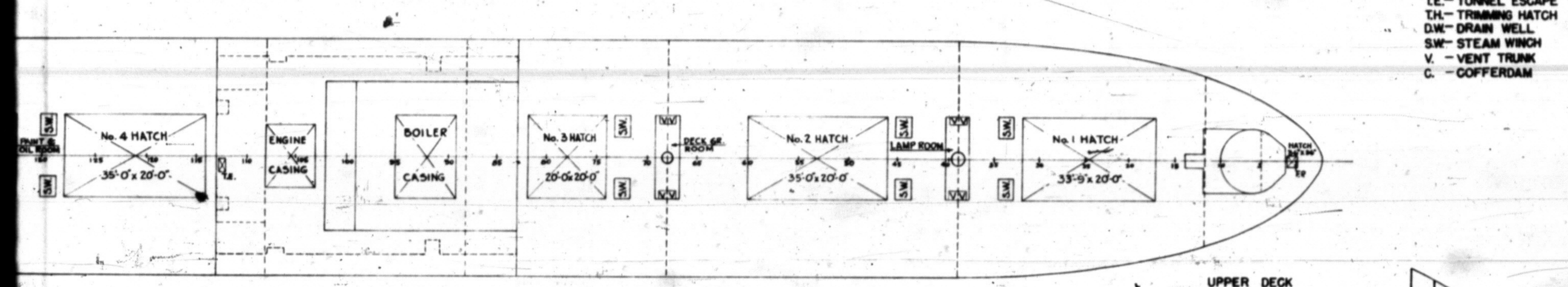
M.G.HULL 301

B.F.HILL 2051



ABBREVIATION

T.E.— TUNNEL ESCAPE  
T.H.— TRIMMING HATCH  
D.W.— DRAIN WELL  
S.W.— STEAM WINCH  
V. — VENT TRUNK  
C. — COFFERDAM



CARGO		COMPARTMENT	GRAIN CAP	BALE CAP
HOLD	No.1	HOLD	G. F.	G. F.
		TWEEN DECKS	41257	36083
			43143	39565
HOLD	No.2	HOLD	98860	92008
		TWEEN DECKS	45744	42630
HOLD	No.3	HOLD	68459	59793
		TWEEN DECKS	27970	23904
HOLD	No.4	HOLD	58841	52574
		TWEEN DECKS	35277	29689
HOLD	No.5	HOLD	58620	51571
		TWEEN DECKS	34570	30864
DEEP TANKS	No.1P.		3639	2729
*	*	No.1S.	3639	3004
*	*	No.2P.	7473	5294
*	*	No.2S.	7473	5578
*	*	No.3P.	13674	12506
*	*	No.3S.	13188	12024
		TOTAL	562627	499816

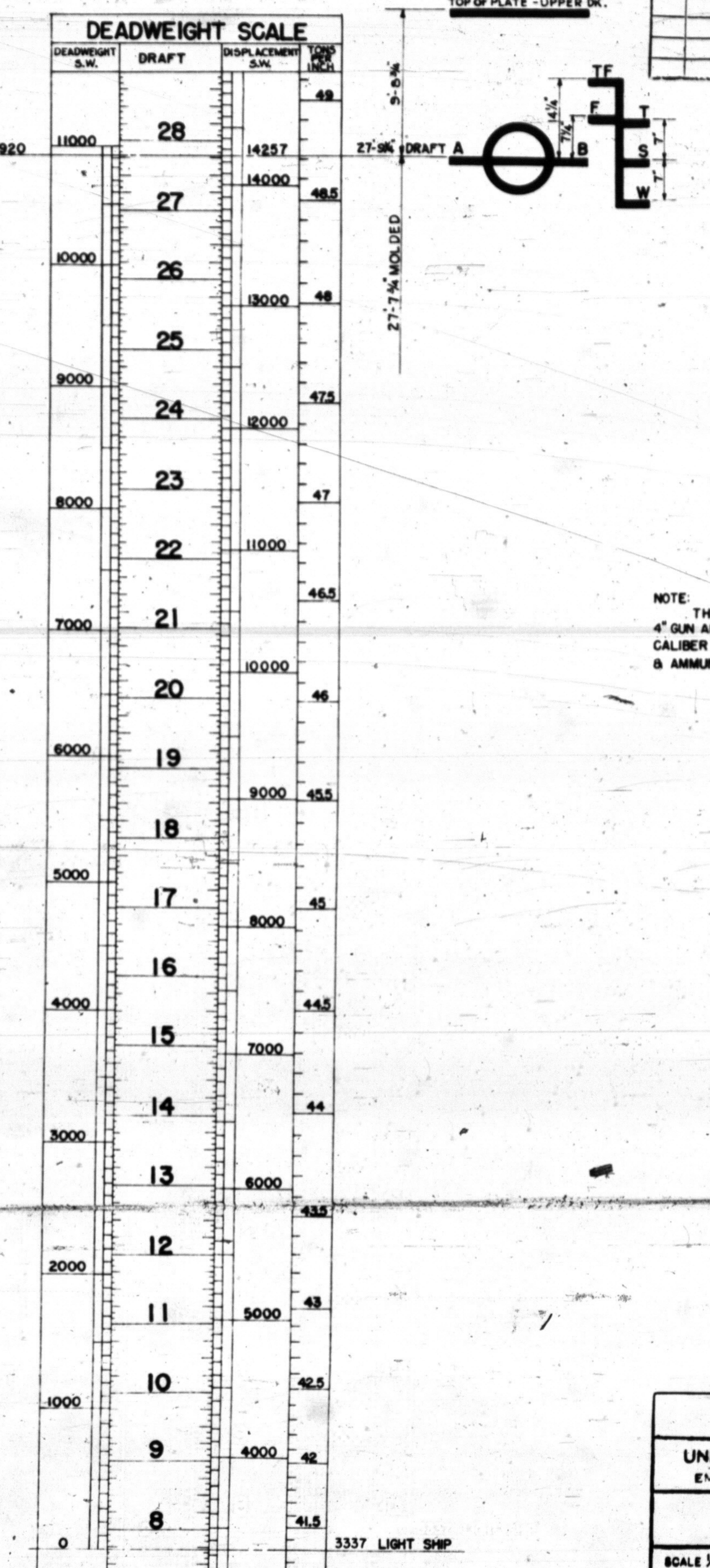
TANK		CU. FT.	TONNE 35CE
FORE PEAK		5073	145
WATER BALLAST	No.1	5029	144
"	No.2P.	5967	170
"	No.2S.	5967	170
"	No.3P.	4400	126
"	No.3S.	4365	125
"	No.5P.	4391	125
"	No.5P.	4391	125
"	No.6	4118	118
AFTER PEAK-CULINARY	WATER	5438	155
DEEP TANKS	No.1P.	3973	114
"	No.1S.	3973	114
"	No.2P.	7340	210
"	No.2S.	7340	210
"	No.3P.	13540	387
"	No.3S.	13065	373
TOTAL		98370	2811

FRESH WATER		GAL'S	TONS @ 35¢
RESERVE FEED	No. 4P	17855	66
" "	No. 4S	17855	66
FRESH WATER	FR. 108-113P	7541	28
" "	FR. 108-113S.	7541	28
	TOTAL	50392	188

TANK	GAL'S	TONS
FUEL OIL TANK No 1	36863	132
" " " No.2P.	43742	157
" " " No.2S.	43742	157
" " " No.3P.	32251	116
" " " No.3S.	31955	115
" " " No.5P.	32185	116
" " " No.5S.	32185	116
" " " No.6	30183	108
- TOTAL	283106	1017
FO SETTLING TANK FR.88-95P.	14083	51
" " " FR.88-96S.	14083	51
- TOTAL	28166	102
CARGO OIL OR FUEL OIL		
DEEP TANK No.3P.	99257	356
" " No.3S.	95772	344
- TOTAL	195029	700
TOTAL (ALL EO)	506301	1819

<u>PRINCIPAL DIMENSIONS</u>		
L.O.A.	441'-7½"	
L.B.P. (25'-3¾" W.L.)	416'-0"	
BREADTH, MLD.	56'-10¾"	
BREADTH, EXTREME	57'-1¼"	
DEPTH TO UPPER DECK, MLD.	37'-4"	
DEPTH TO SECOND DECK, MLD.	28'-7"	
DRAFT	27'-9¾"	
<u>CAPACITIES &amp; TYPES OF WINCHES</u>		
7½x12" DBL. GEARED	WINCHES FOR 5 & 15 TON BOOMS	
9" x12" -	WINCH FOR 50 TON BOOM	
<u>HEIGHTS OF MASTS</u>		
FIXED MAST ABOVE DECK	FOREMAST	40'-3¾"
" " "	FR. 68	42'-11¾"
" " "	FR. 134	42'-2 7/16"
TELESCOPIC " " "	FR. 68	62'-11¾"
" " "	FR. 134	62'-2 7/16"
<u>ENGINE</u>		
DIRECT ACTING CONDENSING THREE CYLINDER TRIPLE EXPANSION ENGINE	DEVELOPING 2500 I.H.P. AT 76 R.P.M.	

**BOILERS**  
TWO MAIN BOILERS OF THE CROSS DRUM SECTIONAL  
SMOULOUS HEADER STRAIGHT TUBE TYPE FITTED WITH  
SUPER HEATERS, BURNING BUNKER "C" FUEL OIL



ALTERATIONS	DATE	REMARKS
OF 50 TON WINCH REVISED TO REK WITH VENDORS PLAN	6-5-42	

THE LIGHT WEIGHT OF THE SHIP INCLUDES THE  
IN AFT., 4- 20 M.M. MACHINE GUNS, 4-30.  
BER MACHINE GUNS, 3 $\frac{1}{2}$ 50 CALIBER GUN FORWARD  
AMMUNITION

DESIGN NO. EC2-S-C1

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**UNITED STATES MARITIME COMMISSION**  
**EMERGENCY SHIP CONSTRUCTION DIVISION**

# CAPACITY PLAN

DATE MAY 26, 1942

**PHLEHEM-FAIRFIELD SHIPYARD, INCORPORATED**

C.E. PLAN NO 14-63  
301-312 S29-1-1-21

APPROVED AS NOTED IN  
LETTER DATED JUNE 17, 1942  
FILE NO. 529-1 (M)  
W. B. Leonard